

# इंटरनेट

# मानक

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Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 7951 (2003): Textile Machinery and Accessories - Beams for Windings - Beams for Dyeing Slivers, Roving and Yarns [TXD 21: Dyeing, Finishing and Allied Machinery and Accessories]



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“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”



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*भारतीय मानक*

वस्त्रादि मशीनरी एवं सहायकांग — आवलन के बीम —  
सलाइवर, रोविंग तथा यार्न के रंजन के लिए बीम  
( दूसरा पुनरीक्षण )

*Indian Standard*

TEXTILE MACHINERY AND ACCESSORIES —  
BEAMS FOR WINDINGS — BEAMS FOR DYEING  
SLIVERS, ROVINGS AND YARNS  
( *Second Revision* )

ICS 59.120.20

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**BUREAU OF INDIAN STANDARDS**  
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NEW DELHI 110002

## NATIONAL FOREWORD

This Indian Standard ( Second Revision ) is identical with ISO 8116-7 : 1995 'Textile machinery and accessories — Beams for winding — Part 7 : Beams for dyeing slivers, rovings and yarns' issued by the International Organization for Standardization ( ISO ) was adopted by the Bureau of Indian Standards on the recommendations of the Dyeing, Finishing and Allied Machinery and Accessories Sectional Committee and approval of the Textile Division Council.

This standard has been revised to bring it in line with ISO 8116-7 : 1995 since the earlier version of IS 7951 was based on ISO 1037 : 1982 which has been replaced by ISO 8116-7 : 1995.

The text of ISO Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words 'International Standard' appear referring to this standard, they should be read as 'Indian Standard'.
- b) Comma ( , ) has been used as a decimal marker in the International Standard while in Indian Standards, the current practice is to use a point ( . ) as the decimal marker.

*Indian Standard*

**TEXTILE MACHINERY AND ACCESSORIES —  
BEAMS FOR WINDINGS — BEAMS FOR DYEING  
SLIVERS, ROVINGS AND YARNS**

*( Second Revision )*

## **1 Scope**

This part of ISO 8116 defines the basic terms and designation, and lays down the main dimensions as the driving devices for perforated beams used for dyeing slivers, rovings or yarns.

## **2 Terminology and main dimensions**

(See figures 1 and 2 and table 1)

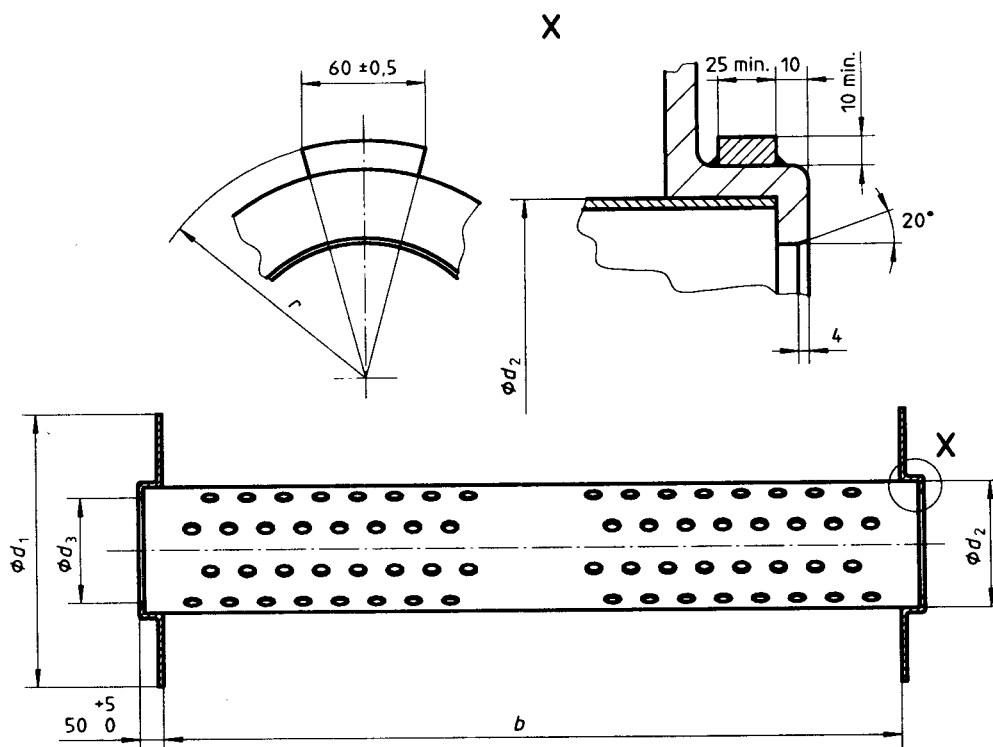
$d_1$  outside diameter of flange

$d_2$  outside diameter of barrel

$d_3$  diameter of axial orifice

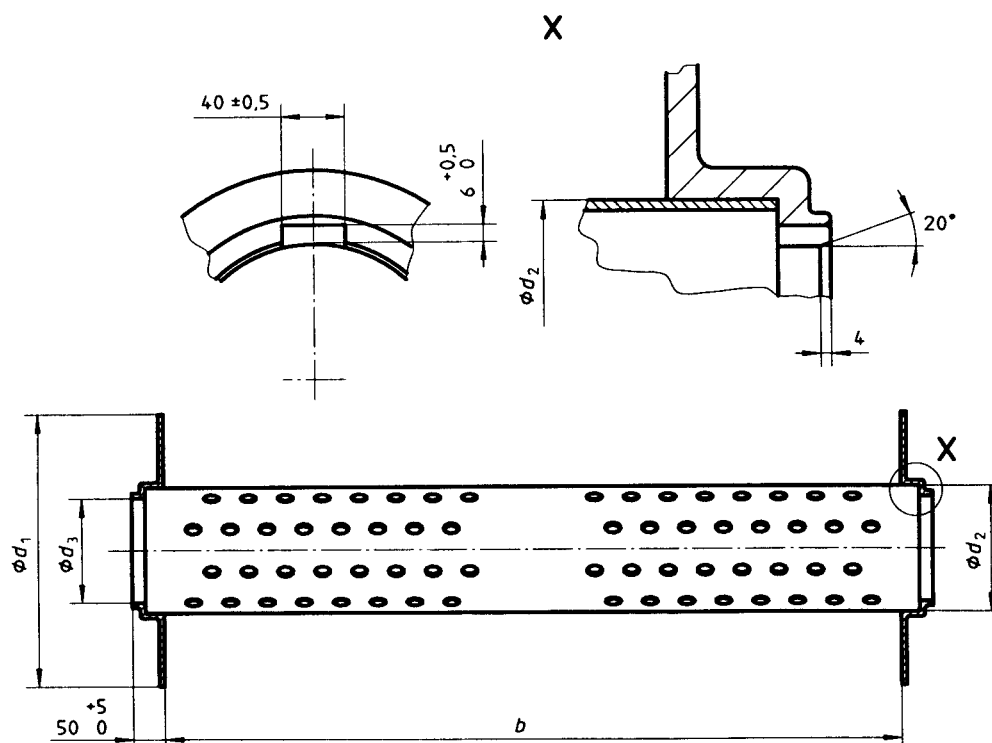
$b$  distance between the flanges

Dimensions in millimetres



**Figure 1 — Beam with simple flanges and driving device — Type A (One lug per flange)**

Dimensions in millimetres



**Figure 2 — Beam with flanges and counter shoulder, and driving device — Type B (One key per flange)**

NOTE 1 For type A and type B, it is possible to have one lug or one key per flange (according to the values of  $d_2$  and  $d_3$ ).

Table 1 — Main dimensions

Dimensions in millimetres

Type	$d_1$		$d_2$		$r$	$b$ ± 1	$d_3$ ± 0,3
	nominal	tolerance	nominal	tolerance			
A	300	± 0,5	150	± 1,2	96	1 400 1 600 1 800	145
	(480)	± 0,8	230	± 1,2	137,5		225
	520						
B	(520)	± 0,8	280	± 1,2	—		
	600						
	600		360	± 2	—		
	750		500				
NOTE — The values in parentheses should be avoided whenever possible.							

3 Designation

The designation of a dyeing beam in accordance with this part of ISO 8116 shall include the following information in the order given:

- a) "Dyeing beam";
- b) reference to this part of ISO 8116, i.e. ISO 8116-7;
- c) the type of beam (A or B);
- d) the flange diameter,  $d_1$ , in millimetres;
- e) the barrel diameter,  $d_2$ , in millimetres;
- f) the distance between the flanges,  $b$ , in millimetres.

EXAMPLE

A dyeing beam, type B, with flange diameter  $d_1$  of 600 mm, diameter of barrel  $d_2$  of 280 mm and distance between flanges  $b$  of 1 400 mm is designated as follows:

Dyeing beam ISO 8116-7 — B 600 × 280 × 1 400



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**Amendments Issued Since Publication**

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